

Fig. 1

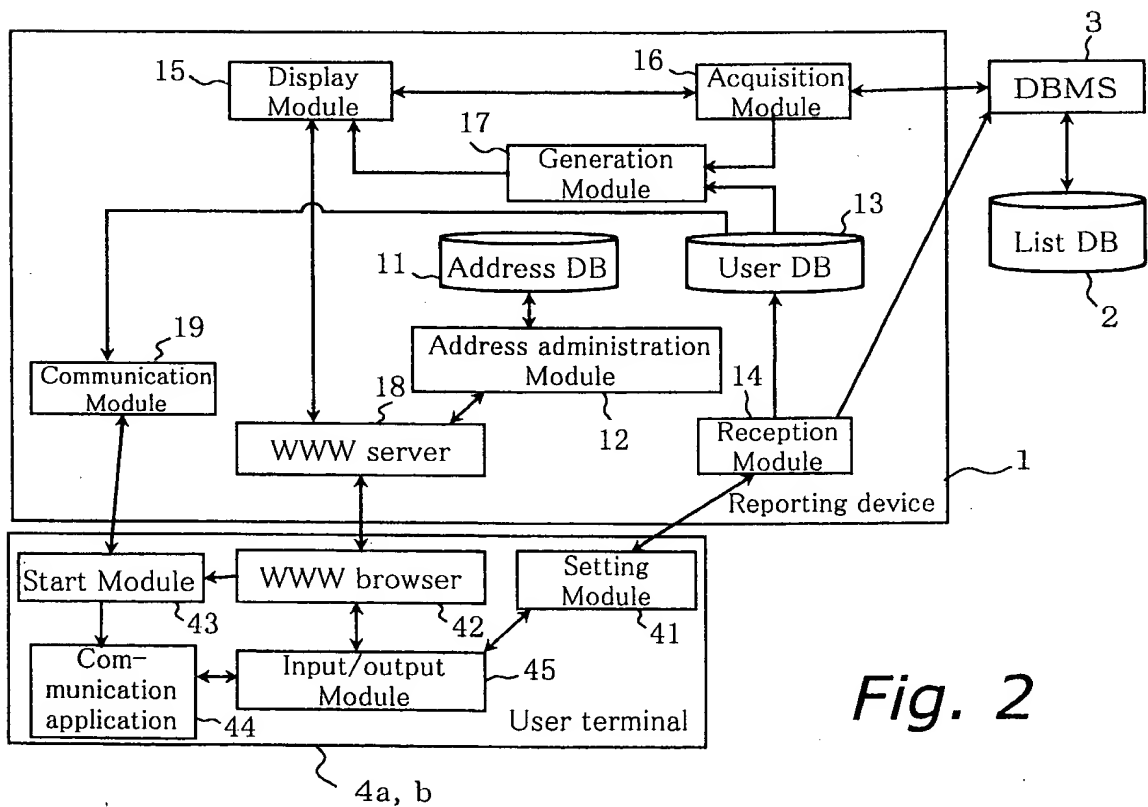


Fig. 2

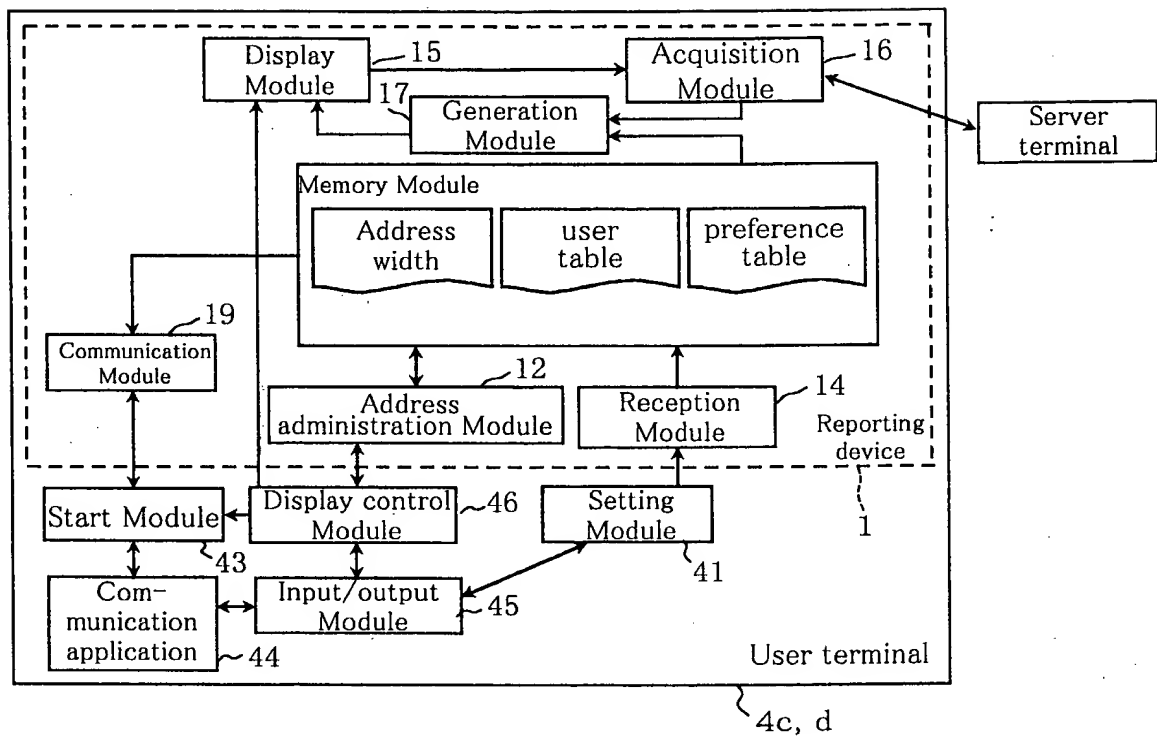


Fig. 3

Figure 4 shows a table of user information and communication means.

User ID	User Name	User Status	Communication Means	Useable	Attribute Information	Comm. Parameters
0001	Taro Suzuki	online	Email Chat Instant message Telephone Videoconference	Yes Yes Yes Yes No	for Office at Office at Office for Office at Office	*** *** *** *** ***
0002	Hanako Yamada	busy	Email Chat Instant message Telephone	Yes No Yes Yes		*** *** *** ***
	:	:	:	:		:

Fig. 4

User ID	User Name	Communication Means	User Status	Priority
0001	Taro Suzuki	Mail	Online	2
			Other	1
		Chat	Busy	3
			Other	2
		Instant message	Online	1
			Other	3
		Telephone	Away	3
			Office	1
			Other	2
		Videoconference	All	3
0002 ⋮	Hanako Yamada ⋮	Mail ⋮	Online ⋮	1 ⋮

Fig. 5

User ID	User Name	User Status	Communication Means	Useable	Priority	Attribute Information
0001	Taro Suzuki	Online	Email	Yes	2	for Office
			Chat	Yes	2	at Office
			Instant message	Yes	1	at Office
			Telephone	Yes	2	for Office
			Videoconference	No	3	at Office
0002	Hanako Yamada	Busy	Email	Yes	1	
			Chat	No	3	
			Instant message	Yes	2	
			Telephone	Yes	2	

Fig. 6

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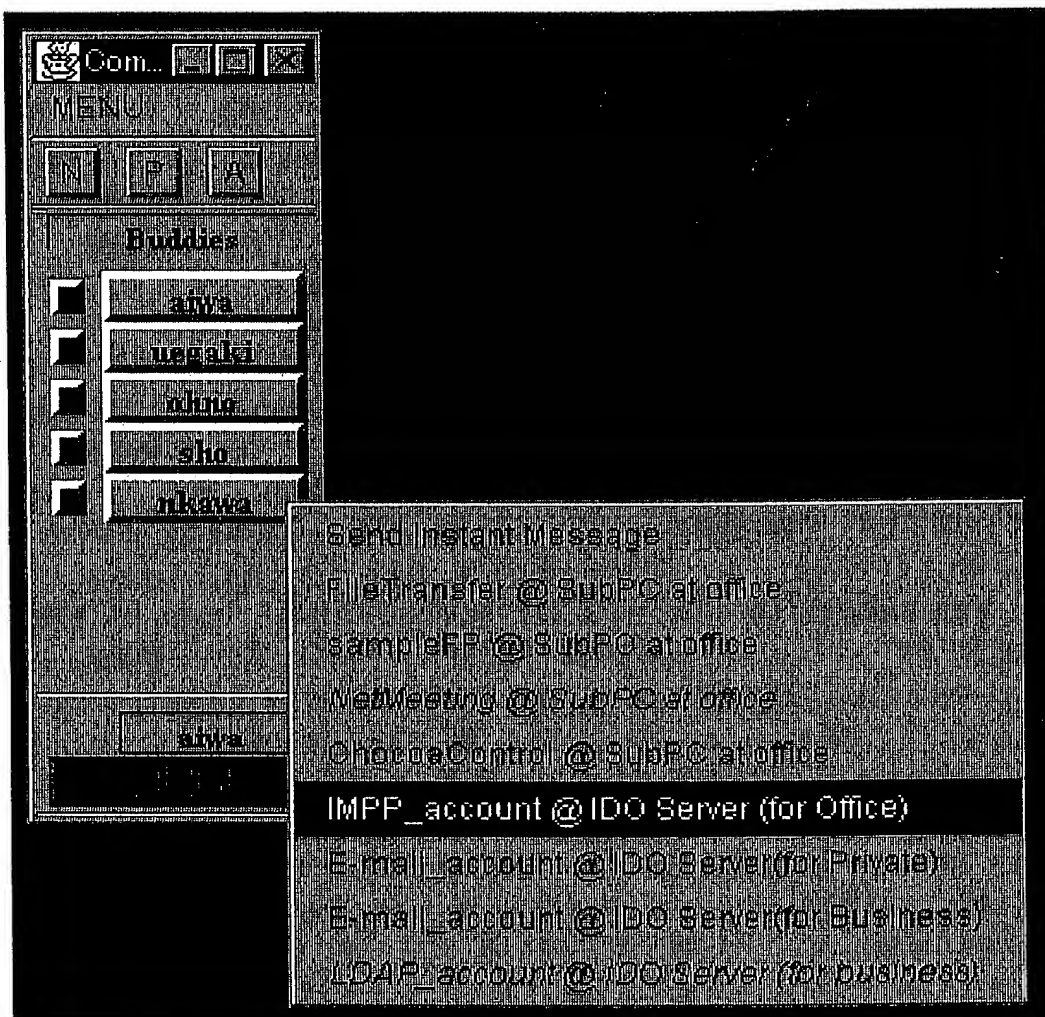


Fig. 7

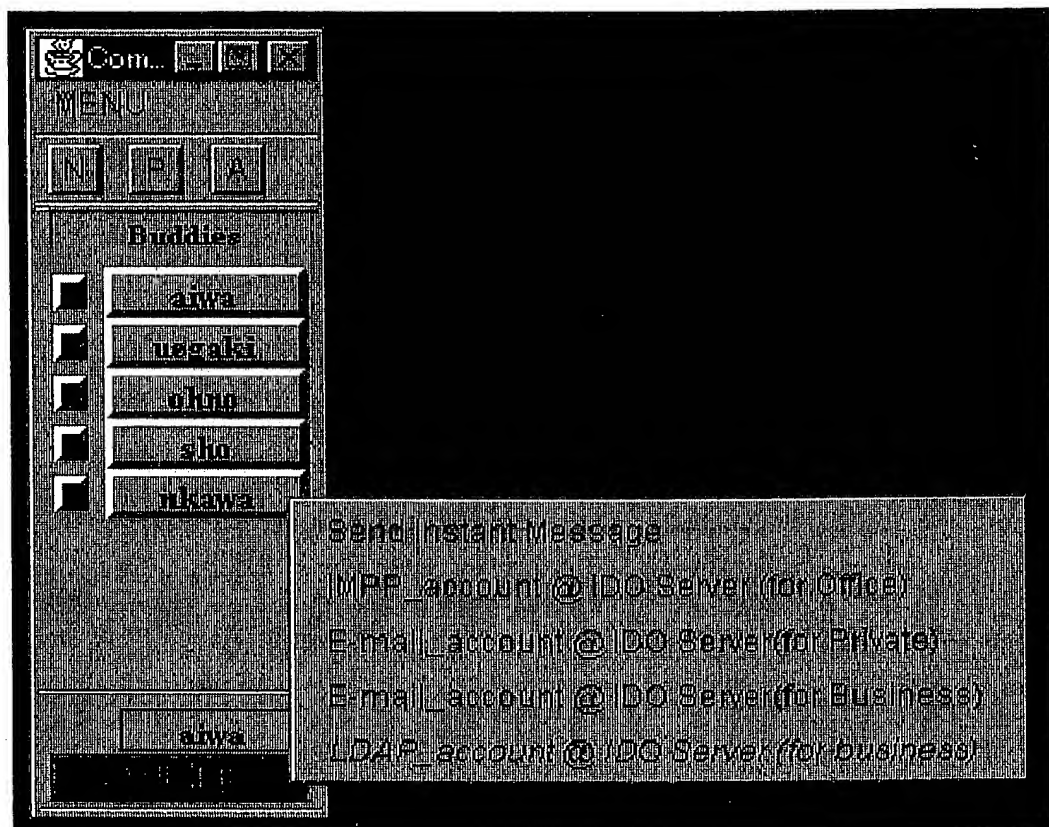


Fig. 8

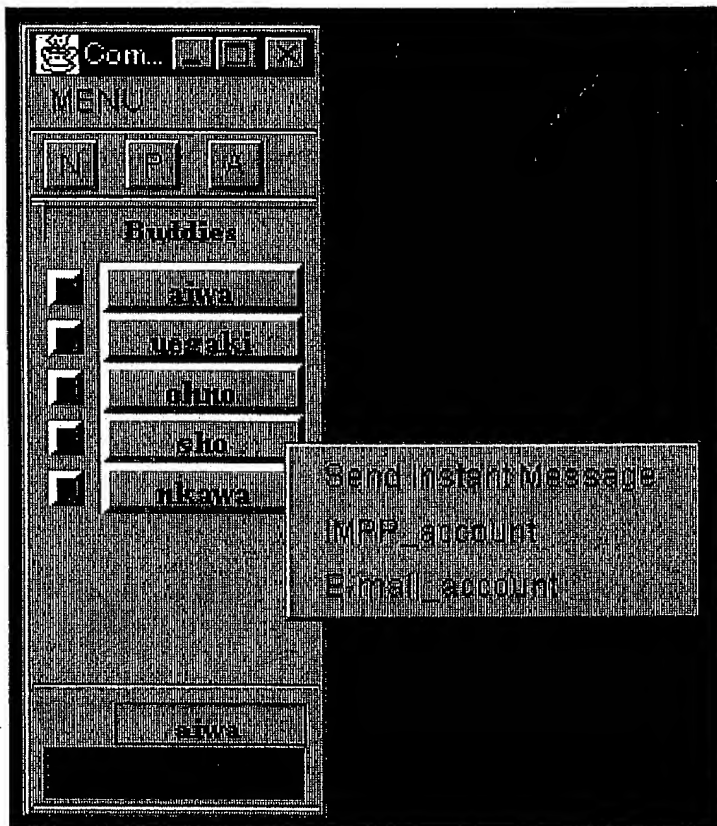


Fig. 9

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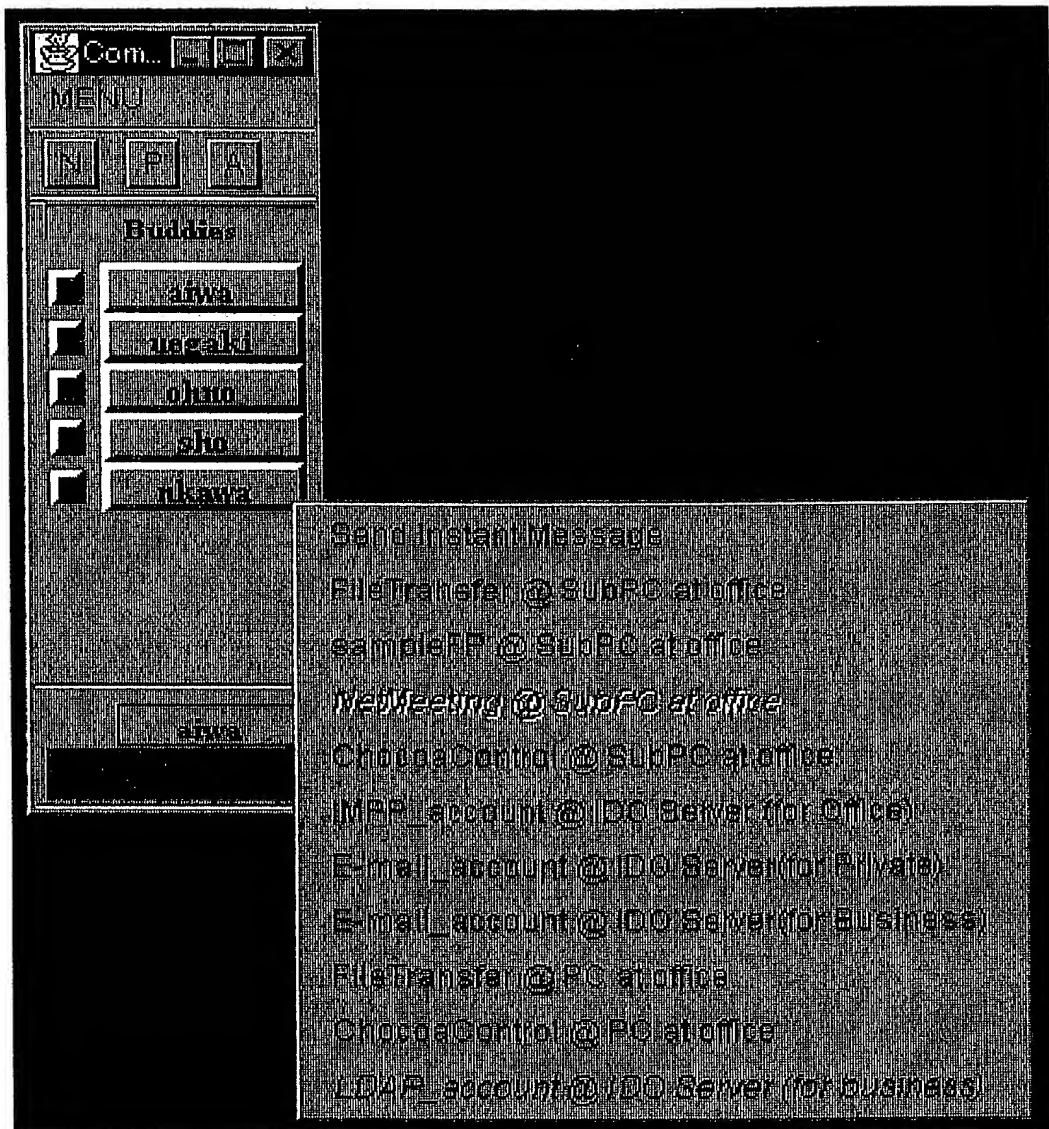


Fig. 10

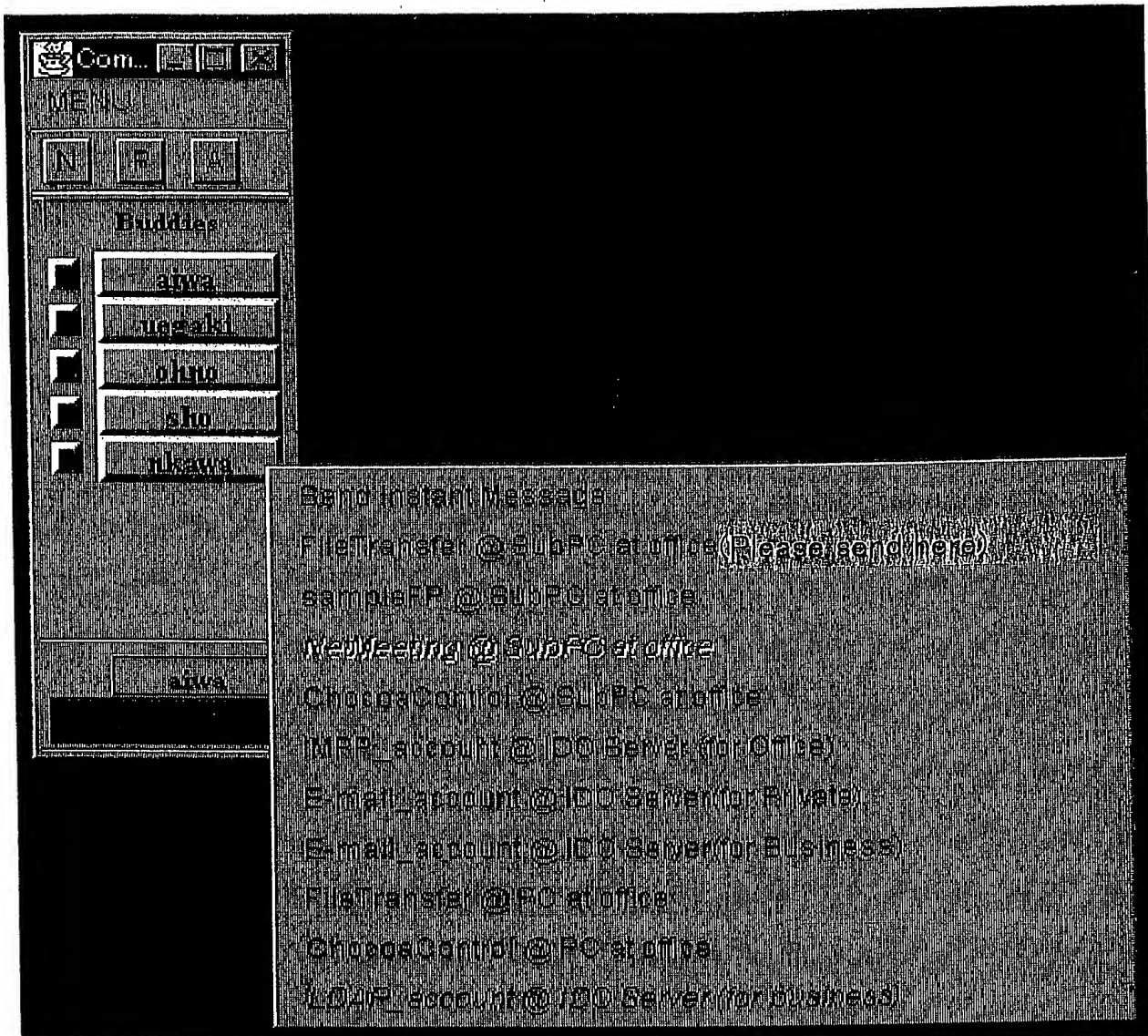


Fig. 11

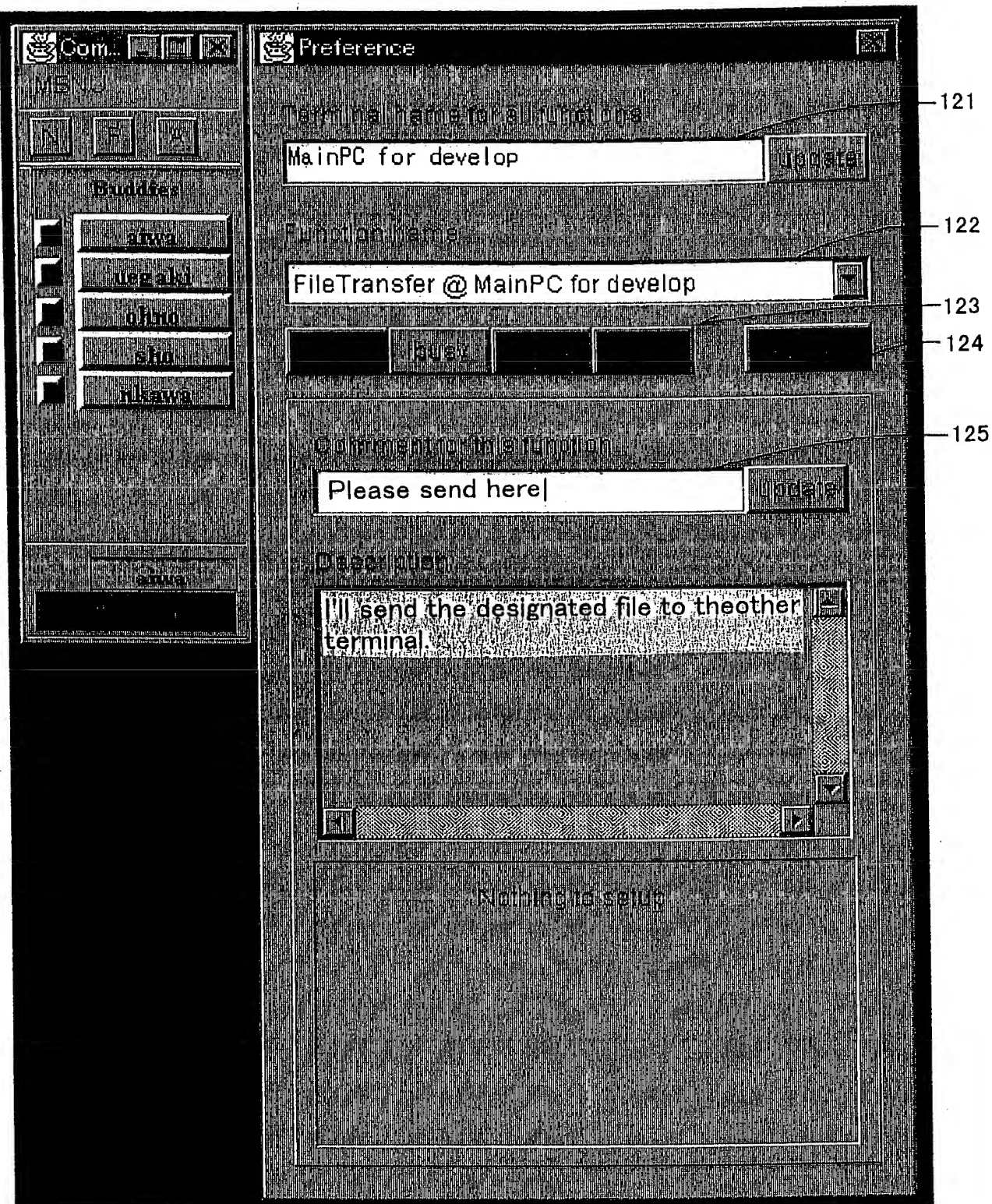


Fig. 12

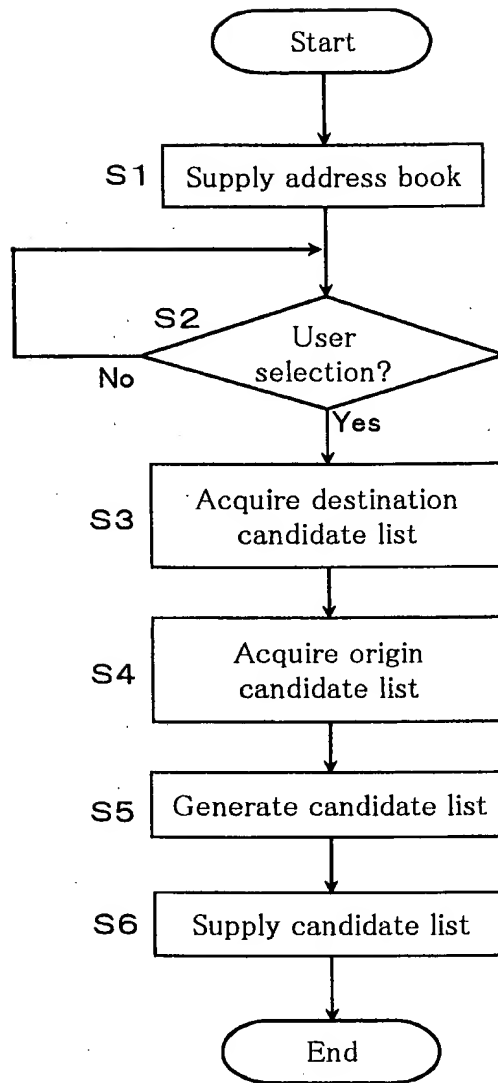


Fig. 13

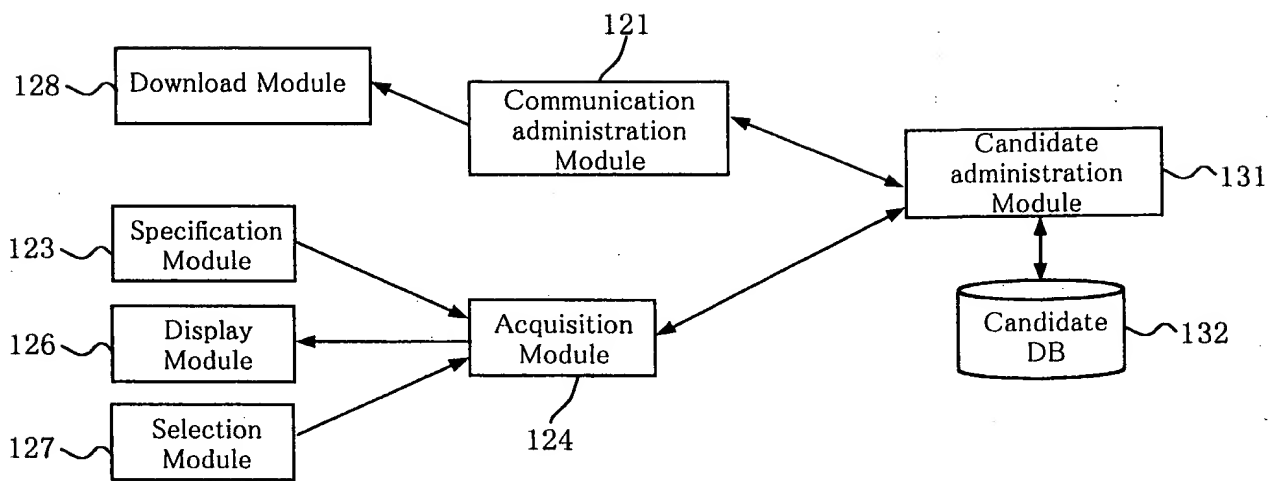


Fig. 14

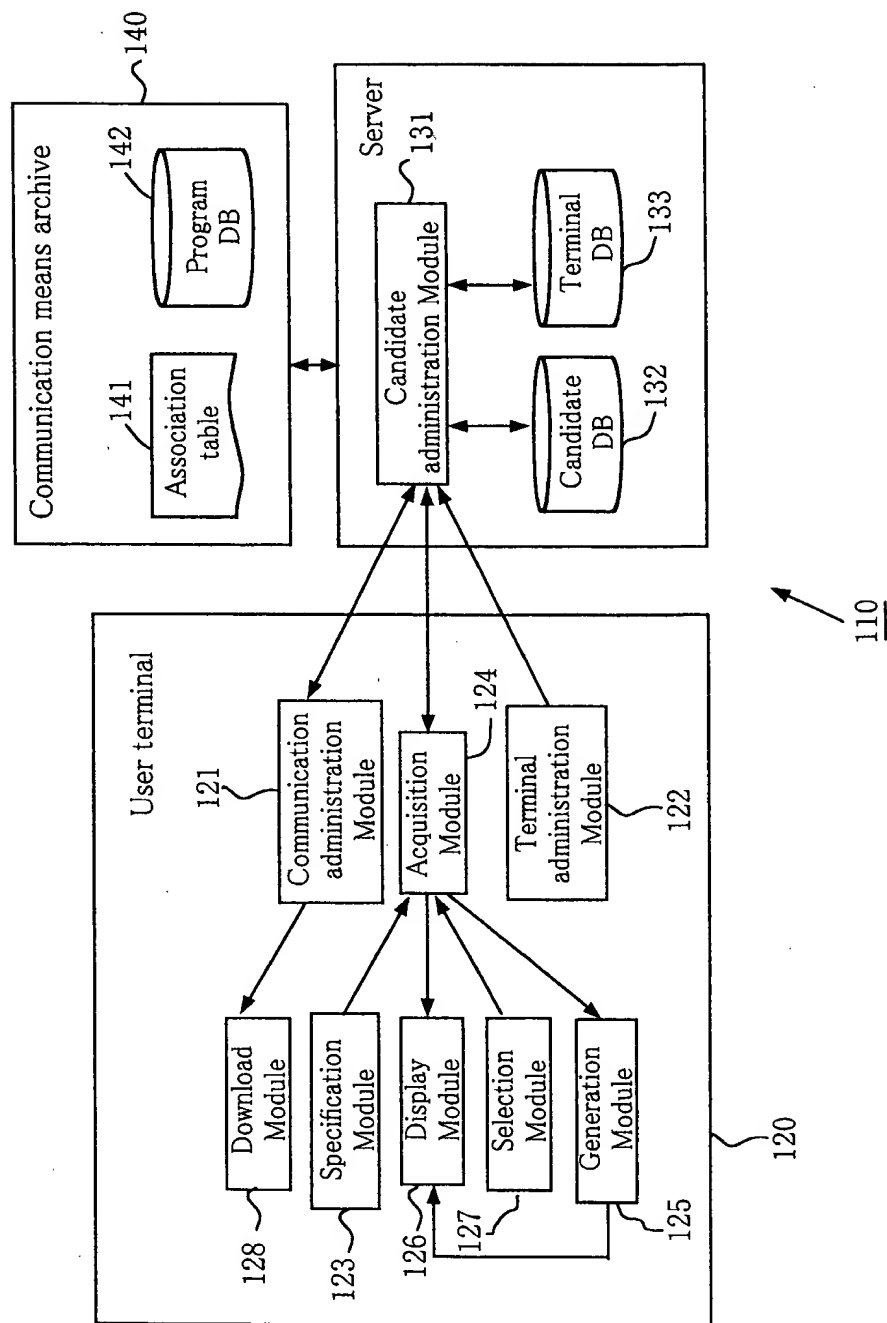


Fig. 15

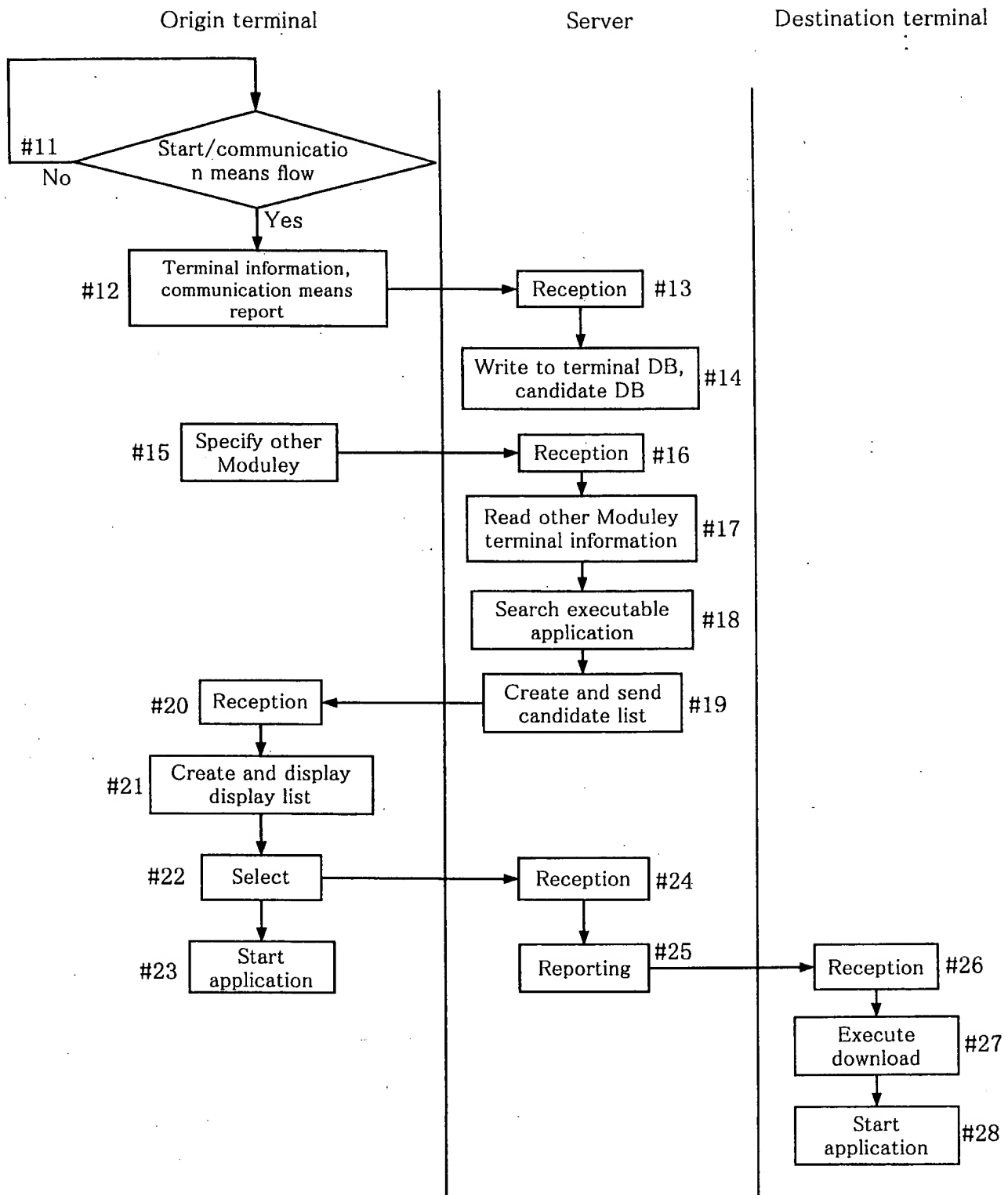


Fig. 16

(a)

Communication means candidate list
Mail
Chat
IM
Phone
downloadable

Select

Videoconference
Sharedblackboard
Interactive game

(b)

Communication means candidate list
Mail
Chat
IM
Phone
Videoconference downloadable
Shared blackboard downloadable

Fig. 17

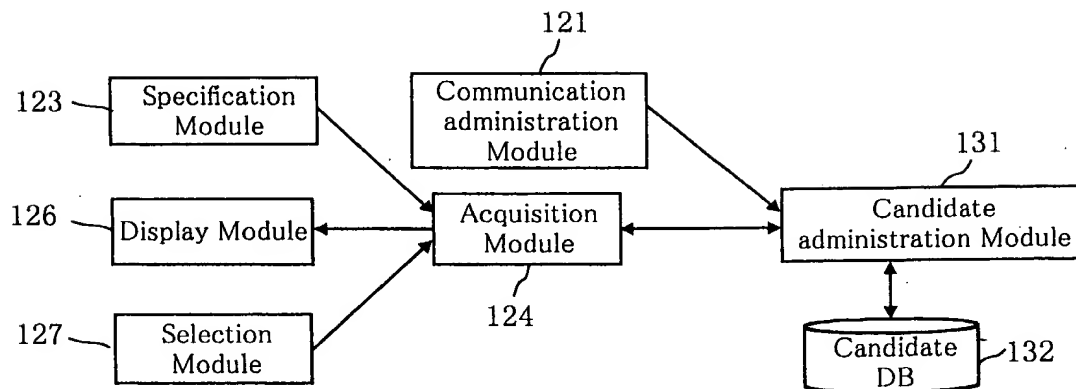


Fig. 18

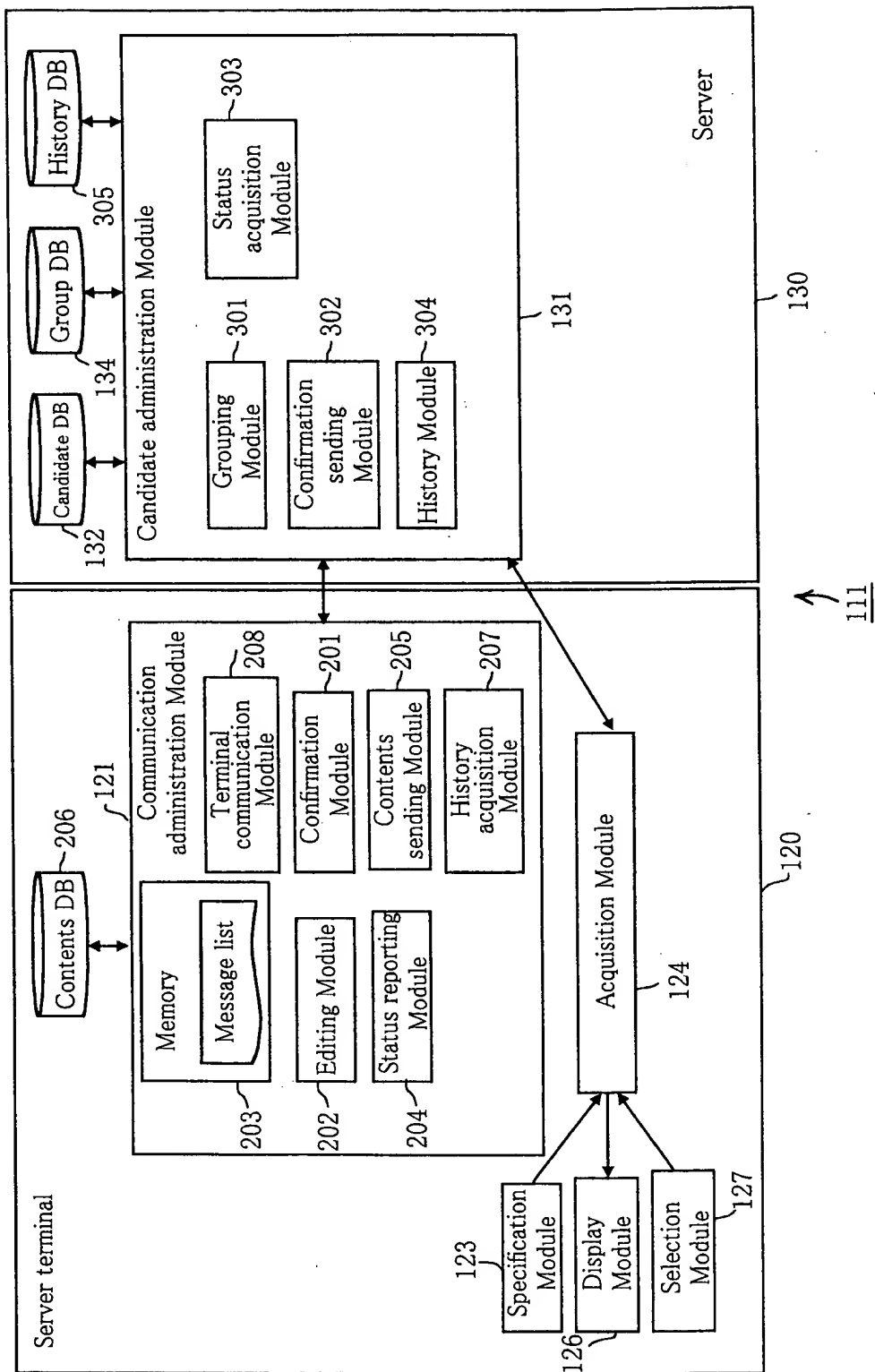


Fig. 19

Candidate DB

User Name	Comm.Means Name	Can or Can't Use	Comm. Status	Update Time	Message
User A	IM @ Office.	Can't	Standby	14:43:50	I'm here
	IM @ Lab	Can	Communicating	15:23:30	
	E-Mail	Can	Standby	00:00:00	
	NetMeeting @ Lab	Can	Standby	08:50:00	
	FileTransfer @ Office	Can't	Standby	11:53:40	
	Telephone @ Office	Can't	Standby	14:33:10	Busy
	Telephone @ Lab	Can	Requested	10:13:20	
	Voicemail	Can	Standby	00:00:00	

Fig. 20

Group DB

User Name	Name	Link	Priority	Preference Information
User A	Messaging	IM @ Office	1	nkawa: IM @ Office or IM @ Office [sic]
		IM @ Lab	2	kohda: Email
		E-Mail	3	ohno: IM @ Office or IM @ Lab
	NetMeeting	NetMeeting @ Lab	1	
	NetMeeting	FileTransfer @ Office	1	
	Telephone	Telephone @ Office	1	nkawa: Telephone @ Office or Telephone @ Office [sic]
		Telephone @ Lab	2	kohda: Telephone @ Office or Telephone @ Office [sic]
		Voicemail	3	ohno: Telephone @ Office or Telephone @ Office

FIG. 21

Communication means	Message
IM @Lab	I'm here.
Telephone @ Lab	Busy
⋮	⋮

Fig. 22

Communication means	Communication contents	Start time	End time	Originator
IM @ Office	We decided the payment date will be 4/28.	2000/04/22/15/58	2000/04/22/15/58	User B

Fig. 23

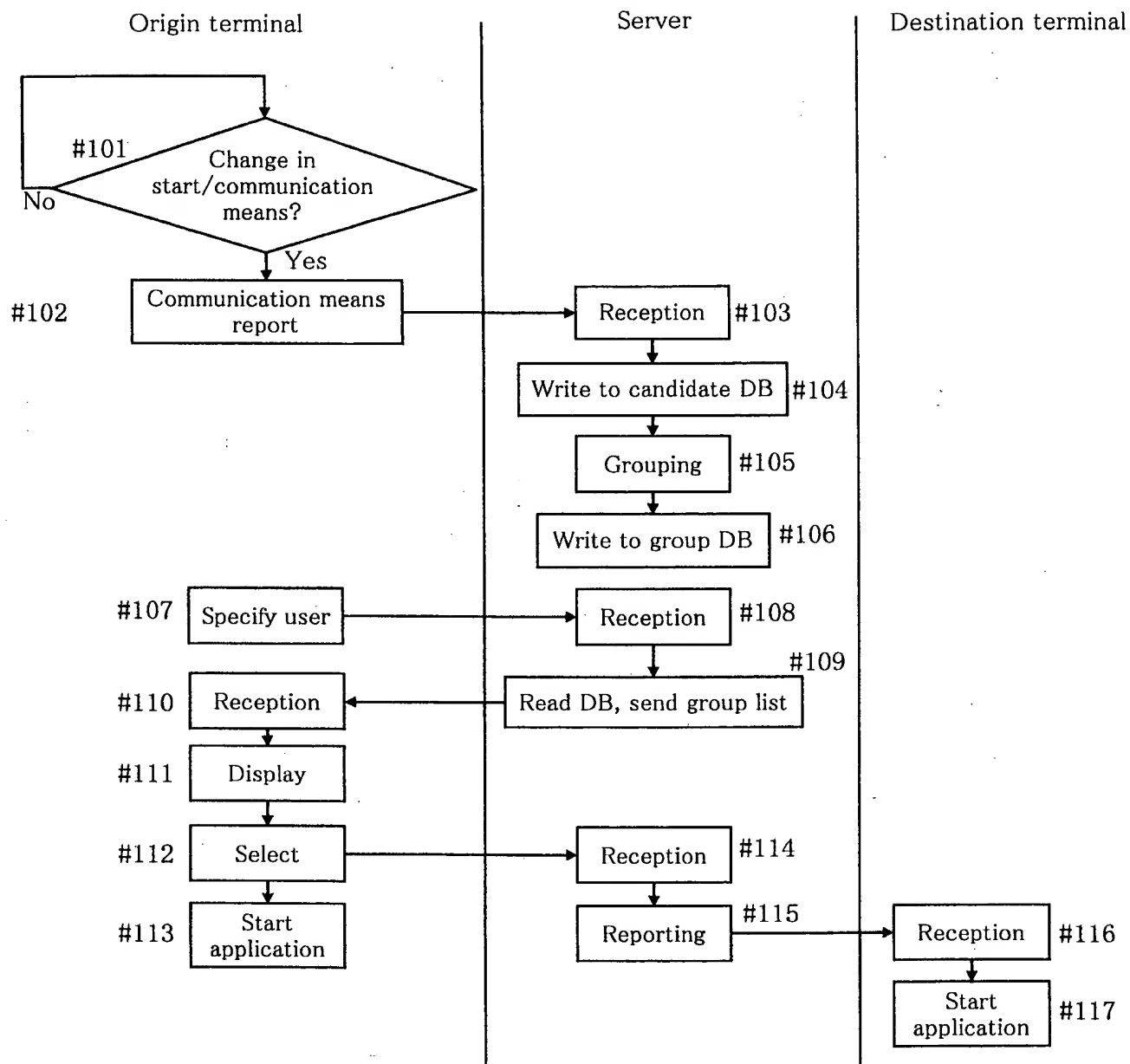


Fig. 24

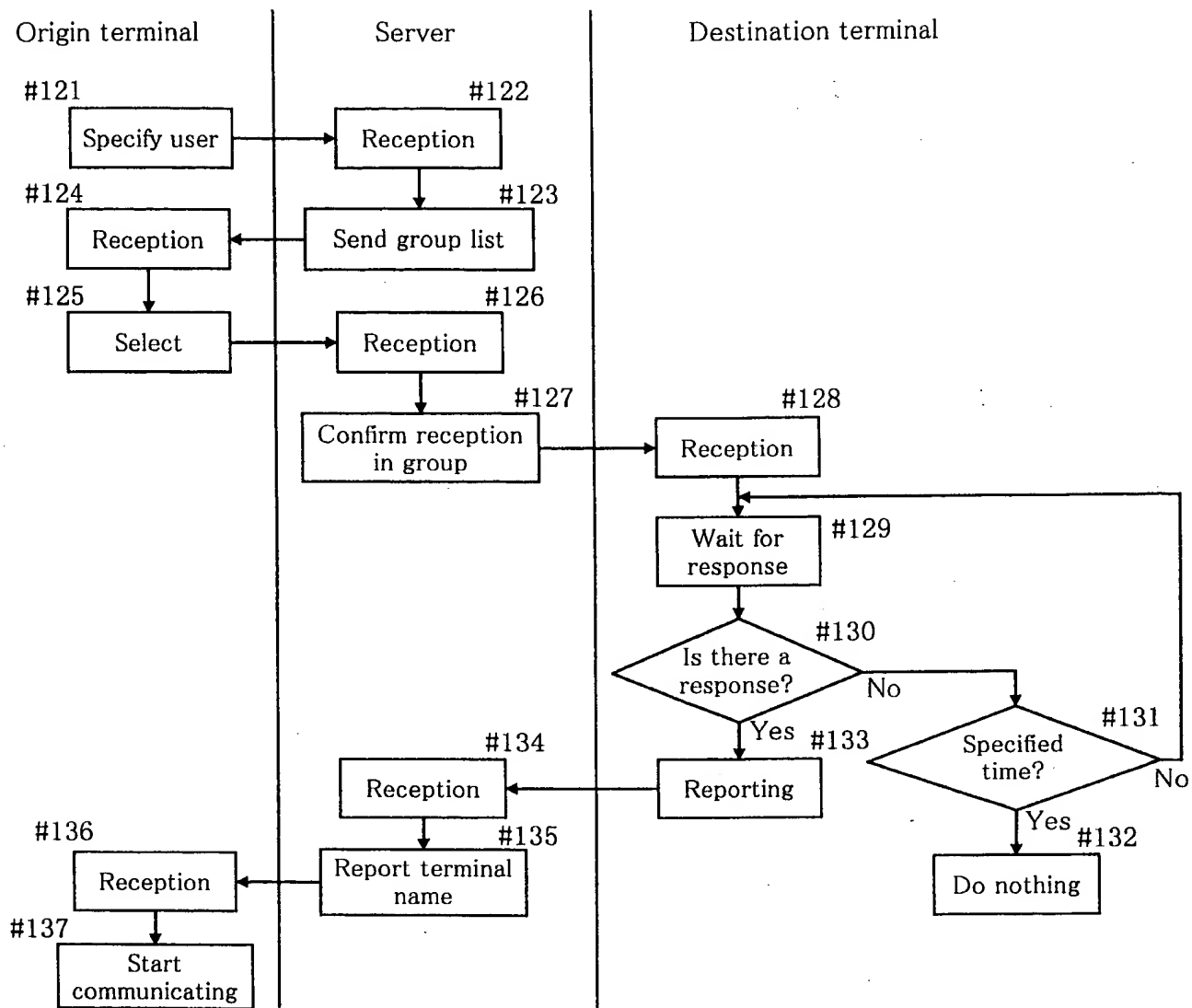


Fig. 25

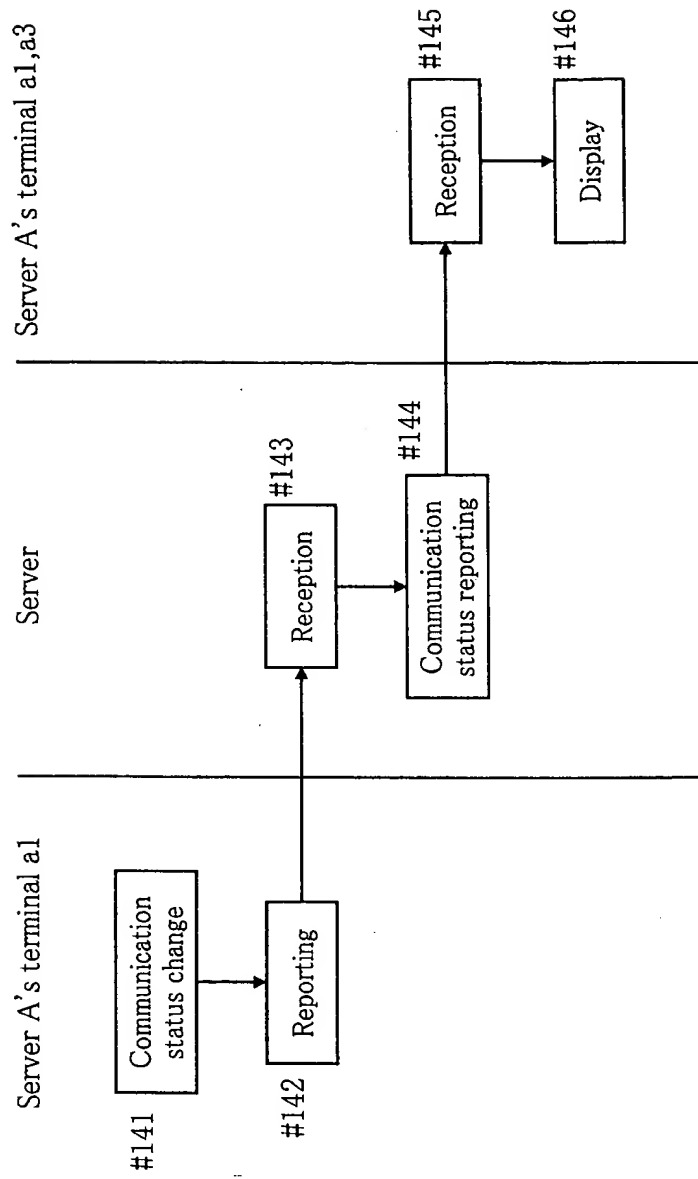


Fig. 26

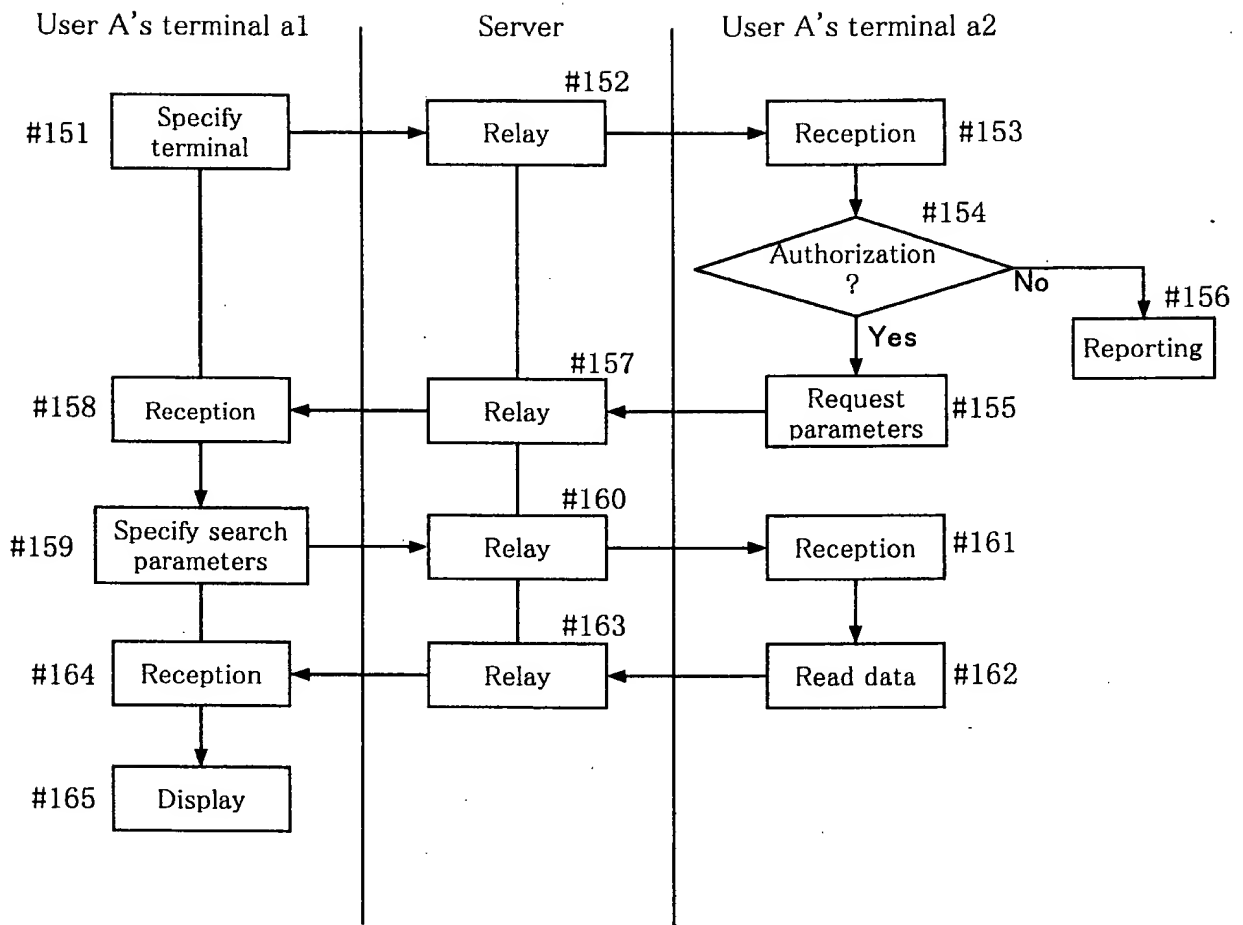


Fig. 27

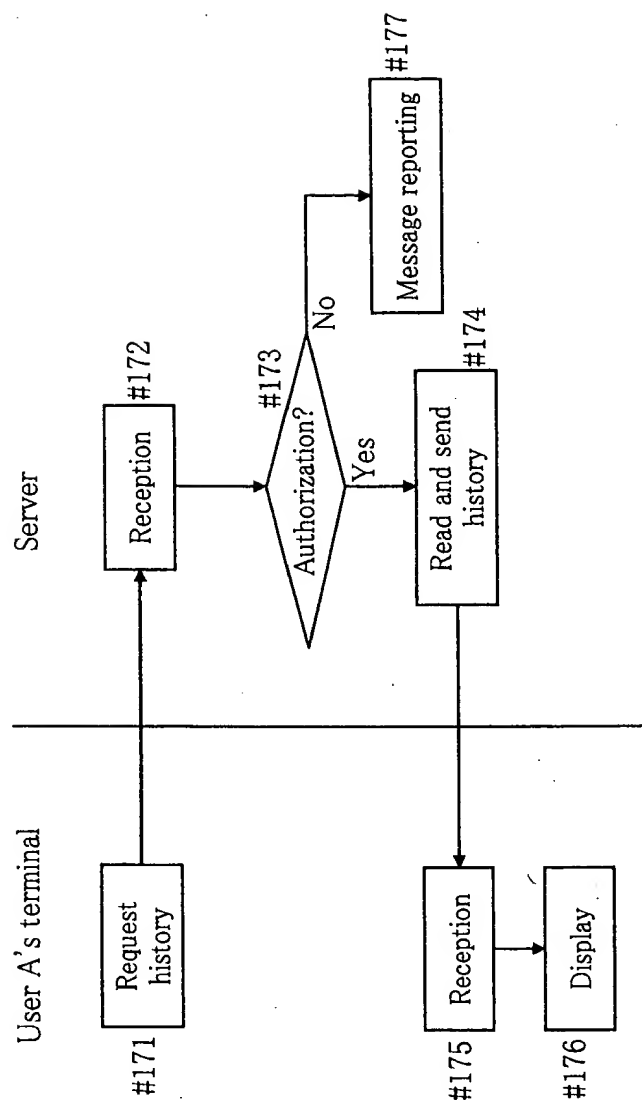


Fig. 28